Philip Environmental Services Corporation
210 West Sand Bank Road
Columbia, Illinois 62236
Phone: 618-281-7173 FAX: 618-281-5120

– LETTER OF TRANSMITTAL –

TO: Lori B. Muller
On-Scene Coordinator
USEPA-Region 5
77 W. Jackson Blvd (SE-5J)
Chicago, IL 60604-3507

DATE: 2-22-08
PROJECT NAME: Champaign
PROJECT NUMBER 62403053

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NUMBER OF COPIES	DESCRIPTION
3	Clarification to Section 7 (Pages 19 & 20) of the Off-Site Investigation Work Plan, Champaign Former MGP, February 14, 2008.

REMARKS:

Ms. Muller,

Please replace the original pages 19 and 20 of the Off-Site Investigation Work Plans with these revised pages. Thank you!

FROM: LESLIE HOOSIER
TITLE: ENVIRONMENTAL SCIENTIST

FROM:
TITLE:

7 ANALYTICAL PROGRAM AND DATA HANDLING

As identified in Section 5, both soil and water samples will be collected during investigation activities for chemical analysis at an off-site laboratory. During sample collection, soil or water will be placed in laboratory provided containers and labeled according to matrix, sample location, date, and analytical method. Quality control (QC) samples, which will include trip blanks, field (rinsate) blanks, duplicates, and matrix spikes will be collected to assess the quality of the data resulting from the field sampling program.

Samples will be protected from breakage and shipped in coolers. Each cooler will be sealed with custody seals and covered with clear tape, so that any opening of the cooler during shipment will be indicated. Ice will be used to maintain a temperature of 4° C. A shipment method will be selected that will ensure delivery to the laboratory within 24 to 48 hours after collection. All soil and water samples will be shipped or delivered to Teklab, Inc. in Collinsville, Illinois. The laboratory will provide a data quality objective (DQO) level III data package upon completion of analysis.

7.1 Soil Sample Analytical

Soil samples will be collected from on-site and off-site soil borings (Sections 5.2 & 5.3). It is anticipated that in excess of one-hundred soil samples will be sent to the laboratory for analysis. Since analytical data are available from the Phase II investigation and a relatively large number of additional samples will be collected, complete analyses for all parameters will not be necessary as a site-specific constituent of concern (COC) list is presented in the Comprehensive Site Investigation Report. The total number of soil samples includes a minimum of three samples from most boring locations. In addition, at least one QA/QC sample will be collected for every twenty soil samples.

The analytical methods to be used will include the following:

- SW-846 Method 5035/8260B (BTEX)
- SW-846 Method 8270 SIMS (PAHs)
- SW-846 Method 9010 (total and amenable cyanide)
- SW- 846 Methods 6000 & 7000 series (chromium, lead, arsenic)
- SW-846 Method 9045C (pH)
- ASTM – D2974-87 (f_{oc})

Due to BTEX and PAHs being the primary drivers for remedial action at MGP sites, each soil sample will be analyzed for BTEX and PAH constituents. Analysis for cyanide, metals, f_{oc}, and pH will not be performed at all sample locations. Cyanide and metals will be performed on not less than 40% of samples and pH on not less than 10% in a manner to fully represent the overall site conditions. A minimum of six (6) f_{oc} samples will be collected from three interval depths in non-impacted areas to be averaged for site representation purposes. Soil samples analyzed for metals will include; arsenic, chromium, lead, and mercury.

7.2 Groundwater Sample Analytical

Groundwater samples will be collected from fourteen pre-existing monitoring wells and ten new wells. In addition, two duplicate samples will be collected for QA/QC purposes.

The analytical methods will include the following:

- SW-846 Method 8260 (BTEX)
- SW-846 Method 8270 SIMS (PAHs)
- SW-846 Method 9010 (total cyanide)
- SW-846 Methods 6000 & 7000 series (chromium, lead, arsenic)